

Title (en)
Circuit interrupter with improved trip bar assembly accommodating internal space constraints

Title (de)
Verbesserte Auslösewellenanordnung für einen Schutzschalter mit kleinerem Innenraum

Title (fr)
Arbre de déclenchement amélioré pour un disjoncteur avec un espace intérieur réduit

Publication
EP 1126489 A3 20030604 (EN)

Application
EP 01103833 A 20010215

Priority
US 50541000 A 20000216

Abstract (en)
[origin: US6208228B1] A circuit interrupter including a housing, separable main contacts within the housing, and an operating mechanism within the housing and interconnected with the contacts. A trip mechanism is disposed within the housing and includes a rotatable trip bar assembly that, when selectively rotated, generates a tripping operation. The trip bar assembly includes an attaching structure which interconnects with an accessory trip member. The accessory trip member causes the trip bar assembly to rotate and generate a tripping operation when the accessory trip member is moved in a first direction. The accessory trip member is configured to enable flexing of the accessory trip member in a second direction opposite of the first direction.

IPC 1-7
H01H 71/10; **H01H 71/50**

IPC 8 full level
H01H 71/50 (2006.01); **H01H 83/12** (2006.01); **H01H 83/20** (2006.01)

CPC (source: EP US)
H01H 71/505 (2013.01 - EP US); **H01H 83/12** (2013.01 - EP US); **H01H 83/20** (2013.01 - EP US)

Citation (search report)
• [A] EP 0923102 A2 19990616 - SIEMENS ENERGY & AUTOMAT [US]
• [DA] US 4503408 A 19850305 - MRENNIA STEPHEN A [US], et al
• [A] US 5381499 A 19950110 - TAKENAKA NAOKI [JP], et al
• [A] US 4301346 A 19811117 - CASTONGUAY ROGER N, et al
• [A] US 5579901 A 19961203 - FABER TIMOTHY R [US], et al

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 6208228 B1 20010327; AU 2122401 A 20010823; AU 771377 B2 20040318; BR 0100715 A 20011016; CA 2337298 A1 20010816; CN 1200444 C 20050504; CN 1309406 A 20010822; DE 60129263 D1 20070823; DE 60129263 T2 20080221; EP 1126489 A2 20010822; EP 1126489 A3 20030604; EP 1126489 B1 20070711; SG 90234 A1 20020723; ZA 200101229 B 20010814

DOCDB simple family (application)
US 50541000 A 20000216; AU 2122401 A 20010209; BR 0100715 A 20010215; CA 2337298 A 20010215; CN 01104617 A 20010216; DE 60129263 T 20010215; EP 01103833 A 20010215; SG 200100793 A 20010214; ZA 200101229 A 20010213